Alex Harry
Justin Keeling

ESOF 322 Software Engineering I
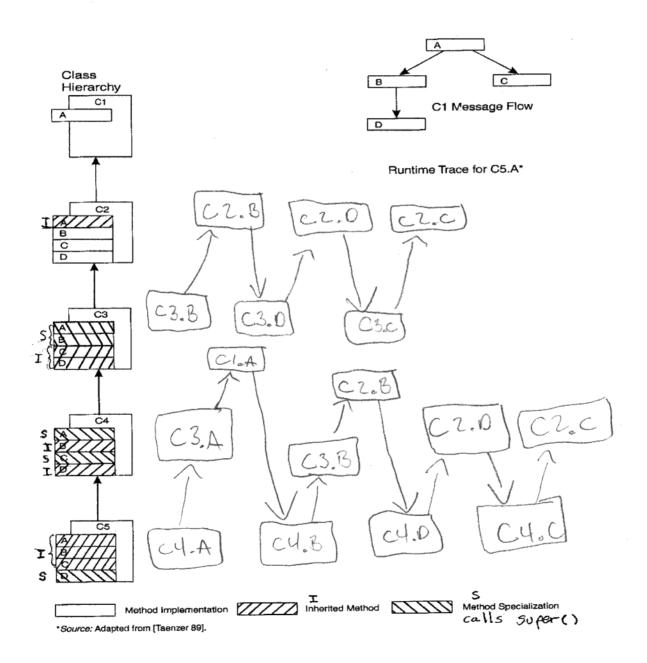Homework #5
Due: **Tuesday November 20**th
Hand in your printed copy in class, and submit a PDF file into D2L.

Question 1 (10 pts)
a) Draw the execution of the calls that exhibit the YoYo problem for a runtime trace of C3.B, and for C4.A (Draw both on the diagram below). (8 pts)
b) Describe what happens when we call C1.D (2 pts)

Class Hierarchy

C1 Message Flow

Runtime Trace for C5.A*

Method Implementation   Inherited Method   Method Specialization
calls super()

*Source: Adapted from [Taenzer 89].

Part B)

Due to the fact that method D is implemented within C2, an object of type C1 cannot call a method that is implemented in a child class.

Question 2

IFeedProvider

IDisplayConverter

<<component>>
ConversionManagement

IDataSource

Data

Delegation
Connector

Delegation
Connector

<<component>>
Controller

IParser

<<component>>
BlogParser